



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090216

**Mode:** Highway

**Status:** Submitted

### NC-53 (New Route - Burgaw Bypass)

**From/Cross Street:** NC 53 West of SR 1120 (Malpass Corner)

**Specific Improvement Type:** 6 - Widen Existing Roadway and Construct Part on New Location

**To:** NC 53 West of I-40

**Project Category:** Regional Impact

**Length:** 5.51

**TIP#:** R-3302

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$31,190,000

#### Description:

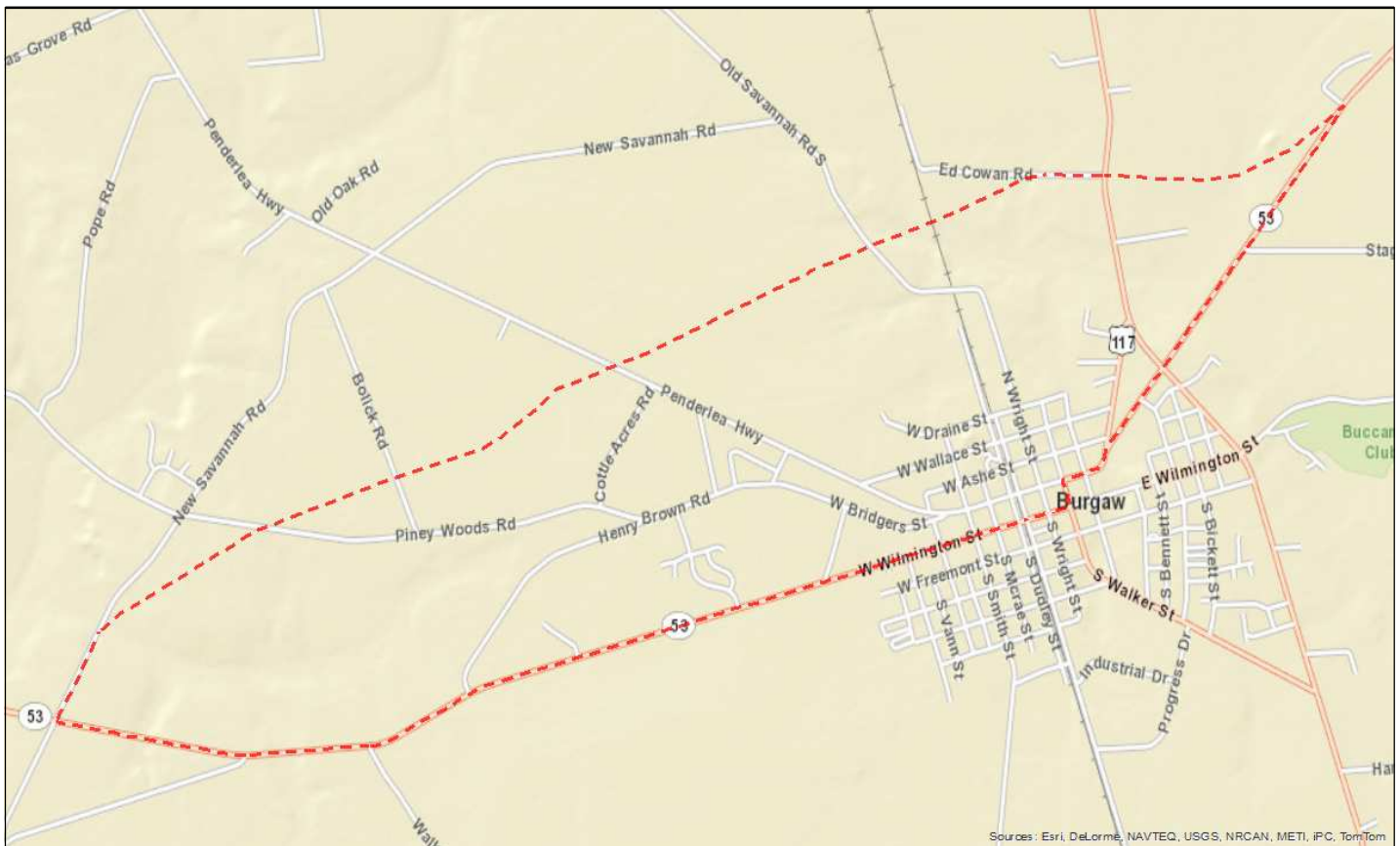
Modernize roadway and add shoulders, some new location

**Division(s):** Division 3

**County(s):** PENDER

**MPOS(s)/RPO(s):** Cape Fear RPO

#### Project Location



**Statewide Mobility Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 60.47 Multimodal + [Freight & Military] (25%) 3.31 [Travel Time] Benefit/Cost (20%) 0.00	Percent: 15% Points:	Percent: 15% Points:
<b>Totals: Weight: 70% Weighted Score: 15.95</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 26.41 Safety (20%) 60.47 Multimodal + [Freight & Military] (10%) 3.31	Percent: 25% Points:	Percent: 25% Points:
<b>Totals: Weight: 50% Weighted Score: 17.71</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	5.8
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	6212.9
Capacity:	15582.25
Volume/Capacity Ratio:	0.4
% Autos:	89%
% Trucks:	11%
Truck Volume:	661.79
Crash Density:	64.57
Crash Severity:	56.04
Critical Crash Rate:	60.82
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	29
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	72
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	2B - 2 Lane Undivided with Paved Shoulders, 25-45 mph
Speed Limit:	45
Length (miles):	5.51
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	-448559.2
Travel Time Savings for 30 Years (Autos):	-400779.61
Travel Time Savings for 30 Years (Trucks):	-47779.59
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Cape Fear RPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$30,210,000	TIP Unit
Right-of-Way Cost:	\$875,000	Cost Estimation Tool
Utilities Cost:	\$105,000	Cost Estimation Tool
Total Project Cost:	\$31,190,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$31,190,000</b>	